



**LONG  
ISLAND  
SOUND  
STUDY**

*A Partnership to Restore and Protect the Sound*

**2000 CCMP  
IMPLEMENTATION  
TRACKING REPORT**  
**January-December 2000**

**THE  
LONG  
ISLAND  
SOUND  
STUDY**

**The  
Comprehensive  
Conservation and  
Management Plan  
August 2001**

## **ACKNOWLEDGMENTS**

**This Report is the product of the Long Island Sound Study partnership of Federal, state, local and private agencies and organizations. The diversity of the Comprehensive Conservation and Management Plan for Long Island Sound increases the difficulty and complexity in obtaining the information and data for this report. We wish to thank the states of Connecticut and New York for their invaluable assistance in compiling the data for the report and in coordinating their efforts with the many other state and local agencies and organizations participating in the Study.**

# Index

<u>Title</u>	<u>Page Number</u>
<b>About the 2000 Report</b> .....	AR-1
<b>Foreword</b> .....	F-1
<b>Executive Summary</b> .....	ES-1
<b>Continuing the Management Conference</b> .....	Overview
1. Supporting Implementation .....	M-1
<b>Eliminating Adverse Impacts of Low Dissolved Oxygen in the Sound</b> .....	Overview
1. Reducing Nitrogen from STPs and other Point Sources .....	H-1
2. Reducing Nitrogen Loads from non-point Sources .....	H-2
3. Continuing Management of Hypoxia .....	H-3
4. Funding to Implement Hypoxia Management Plans .....	H-4
5. Monitoring and Assessment of Hypoxia .....	H-4
<b>Controlling Major Sources of Pathogens</b> .....	Overview
1. Combined Sewer Overflows .....	P-1
2. Nonpoint Sources .....	P-1
3. Sewage Treatment Plants .....	P-2
4. Vessel Discharges .....	P-3
5. Individual On-site Systems/Discharges .....	P-4
6. Controlling Pathogen Contamination through Public Education .....	P-4
7. Monitoring and Assessment of Pathogens .....	P-4
<b>Protecting the Sound from the Adverse Effects of Toxic Substances</b> .....	Overview
1. Toxic Contaminant Source Controls and Pollution Prevention .....	T-1
2. Addressing Sediment Contamination .....	T-1
3. Improving Human Health Risk Management .....	T-2
4. Monitoring and Assessment of Toxic Contaminants .....	T-2
5. Research to Investigate Toxic Contamination .....	T-2
<b>Reducing Floatable Debris in the Sound</b> .....	Overview
1. Controlling Floatable Debris from CSOs and Storm water Sewers .....	F-1
2. Increasing Floatable Debris Cleanup Efforts .....	F-1
<b>Managing and Conserving Living Resources and Their Habitats</b> .....	Overview
1. Restoration and Enhancement of Aquatic and Terrestrial Habitats .....	LR&H-1
2. Habitat Protection and Acquisition .....	LR&H-2
3. Inventories and Management Strategies for Aquatic and Terrestrial Habitats .....	LR&H-3
4. Managing Endangered and Threatened Species .....	LR&H-4
5. Managing Harvested Species .....	LR&H-4
6. Managing Exotic and Nuisance Species .....	LR&H-5
7. Educating the Public about the Plants and Animals of Long Island Sound .....	LR&H-5
8. Developing an Informational Database about living Resources and their Habitats .....	LR&H-5
9. Sound wide and Site-specific Research and Monitoring .....	LR&H-6
10. Living Resources and Habitat Research .....	LR&H-6
<b>Raising Public Awareness and Participation Through Education and Outreach</b> .....	Overview
1. Community Awareness and Stewardship .....	E-1
2. Promoting Understanding .....	E-2
3. Facilitating Public Participation .....	E-2
4. Increase Communication and Cooperation .....	E-3
5. Enhance Education at All Levels .....	E-3
6. Secure Funding .....	E-4
<b>Appendix of CCMP Actions</b> .....	A-1
<b>Glossary of Acronyms</b> .....	G-1

# About the 2000 Report



## UNDERSTANDING THIS REPORT

**As in 1999, this 2000 CCMP Implementation Tracking Report is organized into seven sections, each corresponding to the seven priority management areas identified in the CCMP:**

- 1) Continuing the Management Conference;
- 2) Hypoxia;
- 3) Pathogen Contamination;
- 4) Toxic Substances;
- 5) Floatable Debris;
- 6) Management and Conservation of Living Resources and Their Habitats; and
- 7) Public Involvement and Education.

Each of these sections contains a brief narrative that highlights accomplishments of the Management Conference in that area in 2000.

Unlike the previous CCMP Implementation Tracking Reports, this report does not provide details on each of the 232 individual action items in the CCMP. The report instead provides information in the 36 CCMP subcategories outlined in the Index to the report.

As in prior year reports, the charts following each narrative section correspond to the appropriate table in the CCMP for each priority area.

The charts contain self-explanatory information under the 36 action areas identified in the CCMP, such as:

- ! Description; and
- ! Planned Action

The Appendix contains the entire set of 232 CCMP actions indexed to the detailed charts in the report.

## An Annual Snapshot of Progress

Because of the inherent long-term nature of initiating and assessing the results of environmental restoration and improvement efforts, this report should be viewed as a one-year snapshot of accomplishments against the 36 action areas identified in the CCMP. This report is not an expression of environmental results.

## Environmental Indicators

The LISS has developed a basic set of environmental indicators for Long Island Sound, with an ultimate goal of linking progress on the CCMP to actual environmental improvements in the Long Island Sound ecosystem.

In this way, environmental results may be used in the future to assess the effectiveness of CCMP actions, and the Management Conference will be in a better position to consider and adjust CCMP plans, actions, and resources according to the environmental results desired or achieved.

The LISS environmental indicators are accessible on the LISS website at:  
<http://www.epa.gov/region01/eco/lis>.



## Foreword



**This 2000 report documents the sixth year of implementation of the Long Island Sound Study (LISS) Comprehensive Conservation and Management Plan (CCMP) for Long Island Sound (LIS). This Report summarizes the continuing work of the LISS Management Conference partners in carrying out the CCMP.**

**The LISS Management Conference is sponsored by the U.S. Environmental Protection Agency (EPA), the New York State Department of Environmental Conservation (NYSDEC), and the state of Connecticut Department of Environmental Protection (CTDEP). Additional partners include:**

- ❖ Interstate Environmental Commission (IEC);
- ❖ U.S. Department of the Interior's Fish and Wildlife Service (USFWS);
- ❖ U.S. National Oceanic and Atmospheric Administration (NOAA) National Marine Fisheries Service (NMFS);
- ❖ New York City Department of Environmental Protection (NYCDEP);
- ❖ U.S. Department of Agriculture Natural Resource Conservation Service (NRCS);
- ❖ New York State Department of State;
- ❖ New York and Connecticut Sea Grant College programs
- ❖ LISS Technical Advisory Committee (TAC); and

- ❖ LISS Citizens Advisory Committee (CAC).

**Many other federal, state, municipal academic, and local public and private organizations contribute to implementation of the CCMP. Among these are the:**

- U.S. Army Corps of Engineers (ACOE);**
- U.S Geological Survey (USGS);**
- U.S. Department of Agriculture's Cooperative Extension Service;**
- Connecticut Department of Agriculture Bureau of Aquaculture (CTDOA/BA);**
- New York and Connecticut state Departments of Health;**
- New England Interstate Water Pollution Control Commission;**
- University of Connecticut (UConn); and**
- State University of New York (SUNY).**

**Together, these Federal, state, local, academic, and citizen partners combine their efforts to achieve the common CCMP vision for the long-term health, restoration, and economic well-being of Long Island Sound, its watersheds and tributaries, and living marine and marine-dependent resources.**

